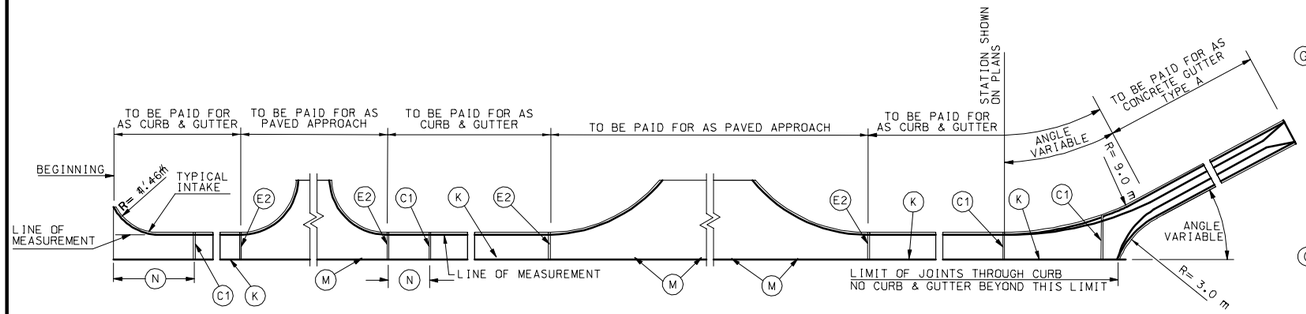
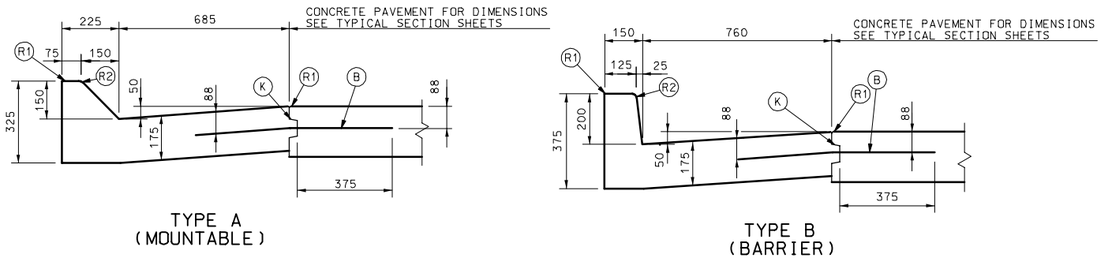


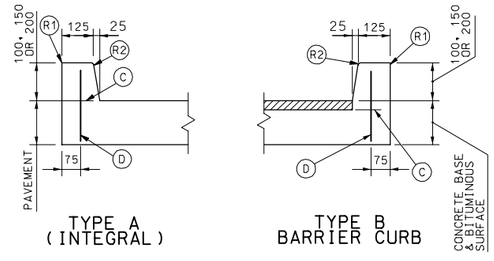
PLAN OF MEASUREMENT OF CURB & GUTTER AND JOINT PLAN



TYPE A (MOUNTABLE)

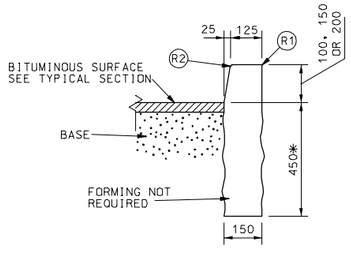
TYPE B (BARRIER)

CURB & GUTTER



TYPE A (INTEGRAL)

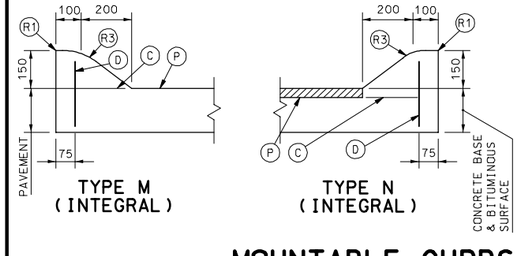
TYPE B BARRIER CURB



TYPE S (SEPERATED)

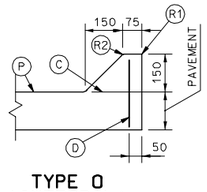
* DEPTH MAY BE REDUCED IF KEYED 150 mm IN ROCK

BARRIER CURBS

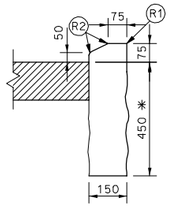


TYPE M (INTEGRAL)

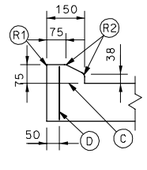
TYPE N (INTEGRAL)



TYPE O (INTEGRAL)



TYPE F (SEPARATED)

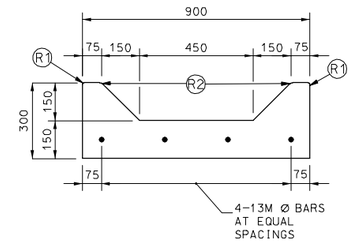


TYPE E (INTEGRAL)

BEGINNING AND ENDINGS OF INTROCUCED LOW PROFILE CURBS SHALL UTILIZE CURB HEIGHT RUNOUT FORM 0 mm TO 75 mm IN 1.5 m. PAYMENT LENGTH SHALL INCLUDE TAPERS.

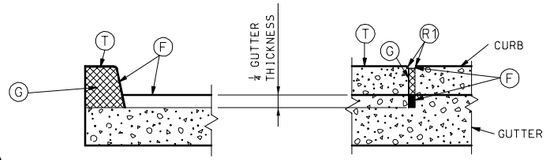
* DEPTH MAY BE REDUCED IF KEYED 150 mm IN ROCK.

LOW PROFILE CURB

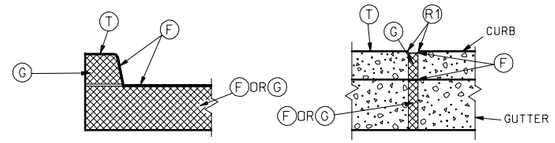


TYPE A TYPE B

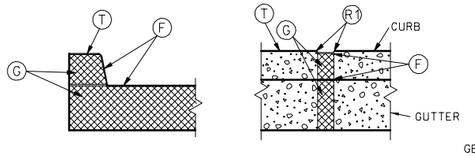
GUTTERS



C1 JOINT



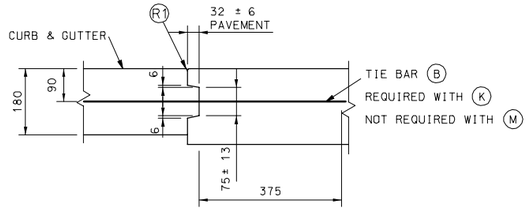
E2 JOINT



E1 JOINT

LEGEND

- (B) TIE BARS – 765 mm X 16M Ø AT 765 mm CTRS.
- (C) PERMISSIBLE CONSTRUCTION JOINT. IF CONSTRUCTED IN THIS MANNER TIE BARS MUST BE USED.
- (C1) 10 mm MINIMUM TRANSVERSE CONTRACTION JOINT. (PREFORMED OR
- (D) 13M Ø TIE BAR AT 600 mm CTRS. LENGTH OF THE TIE BARS EQUALS THICKNESS OF PAVEMENT PLUS HEIGHT OF CURB, LESS 75 mm.
- (E1) 50 mm TRANSVERSE EXPANSION JOINT. (PREFORMED OR SAWED)
- (E2) 13 mm TRANSVERSE EXPANSION JOINT. (PREFORMED OR SAWED)
- (F) FILLER FOR JOINTS – HOT POURED.
- (G) PREFORMED JOINT FILLER MATERIAL.
- (K) TONGUE & GROOVE JOINT WITH TIE BAR – SEE DETAIL.
- (M) TONGUE & GROOVE JOINT WITHOUT TIE BARS – SEE DETAIL.
- (N) NOT LESS THAN 3.0 m OR MORE THAN 9.0 m.
- (P) TOP OF PAVEMENT OR CONCRETE BASE.
- (T) TOP OF CURB.
- (R1) ROUND TO 6 mm RADIUS. (EXCEPT FOR SAWED JOINTS)
- (R2) ROUND TO 19 mm RADIUS.
- (R3) CONSTRUCT TO 225 mm RADIUS



THRU TONGUE & GROOVE JOINT

GENERAL NOTES:

ALL DIMENSIONS SHOWN ARE IN mm UNLESS OTHERWISE NOTED.

A MINIMUM 100 mm TYPE 5 AGGREGATE BASE SHALL BE PLACED BENEATH ALL CURB AND GUTTER SECTIONS. A MINIMUM 100 mm TYPE 5 AGGREGATE SHALL BE PLACED BENEATH AND EXTEND 450 mm BEYOND THE CURB AND GUTTER FOR RIGID PAVEMENT.

WHEN CURBS ARE CONSTRUCTED DIRECTLY BENEATH GUARDRAIL THE CURB HEIGHT SHALL BE 100 mm BARRIER CURB, AS SHOWN ON STANDARD DRAWING 606.00.

CURB, GUTTER AND CURB AND GUTTER CONSTRUCTED ALONG AND ATTACHED TO CONCRETE PAVEMENT OR BASE SHALL HAVE:

1. JOINT C1 THROUGH CURB AND ONE-QUARTER GUTTER THICKNESS AS A CONTINUATION OF EACH CONTRACTION JOINT IN THE BASE OR PAVEMENT.
2. JOINT E1 AS CONTINUATION OF 50 mm EXPANSION JOINT E IN THE CONCRETE BASE OR PAVEMENT SHALL EXTEND AND CONTINUE THROUGH THE CURB, GUTTER, AND CURB AND GUTTER.
3. JOINT E2 THROUGH CURB, AND CURB AND GUTTER AT THE BEGINNING AND END OF EACH PAVED APPROACH.

CURB, GUTTER AND CURB AND GUTTER CONSTRUCTED APART OR SEPARATED FROM CONCRETE BASE OR PAVEMENT OR AS A FORM FOR ASHALTIC CONCRETE PAVEMENT SHALL HAVE A JOINT E2 ENTIRELY THROUGH THE CURB, GUTTER AND CURB AND GUTTER, AT THE BEGINNING AND END OF EACH "PAVED APPROACH" AND A JOINT C1 ENTIRELY THROUGH THE CURB AND TO A DEPTH OF ¼ GUTTER THICKNESS AT INTERVALS OF 9.0 METERS BETWEEN APPROACHES.

JOINTS E1 AND E2 AND JOINT C1 THROUGH CURB SHALL BE FILLED WITH PREFORMED FILLER MATERIAL AND SEALED WITH HOT POURED FILLER FOR JOINTS.

JOINT C1 IN GUTTER SHALL BE FILLED AND SEALED WITH HOT POURED FILLER FOR JOINTS.

JOINT E1 IN GUTTER SHALL BE FILLED WITH PREFORMED FILLER AND SEALED WITH HOT FILLER MATERIAL.

JOINT E2 IN GUTTER SHALL BE FILLED WITH PREFORMED FILLER AND SEALED WITH FILLER OR FILLED WITH HOT POURED FILLER.

PREFORMED FILLER MATERIAL SHALL BE PLACED TO PROVIDE 25 mm HOT POURED FILLER FOR JOINTS.

THE BARRIER CLASS CURBS MAY BE CONSTRUCTED WITHOUT BATTER WHEN CONSTRUCTED ON A RADIUS OF 1.8 METERS OR LESS. THE R2 WILL BE REQUIRED.

WHERE A SIDEWALK INTERSECTS A CURB, THE SIDEWALK SHALL BE RAMPED NO STEEPER THAN 1:12 SLOPE TO PROVIDED ACCESS FOR WHEELCHAIR ACROSS APPROACHES.

WHEN ALLOWED BY THE ENGINEER, TYPES A AND B GUTTER MAY BE PRECAST TO CONFORM TO THE DIMENSIONS SHOWN. THE PRECASTER SHALL SUBMIT SHOP DRAWINGS INDICATING THE SECTION LENGTH, SECTION CONNECTION, AND PROPOSED JOINT SEALING SYSTEM. WHEN PRECAST SECTIONS CANNOT CONFORM TO ANY VERTICAL OR HORIZONTAL CURVE DESIGNATED ON THE PLANS, THE GUTTER SHALL BE CAST-IN-PLACE. A COMBINATION OF CAST-IN-PLACE AND PRECAST GUTTER MAY BE PERMITTED

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

CONCRETE CURB CURB AND GUTTER GUTTER

DATE:_____ | EFFECTIVE: 07-01-2004 | M609.00L | 1/1